Title (en)

Method and apparatus for providing shared off-screen memory

Title (de)

Verfahren und Vorrichtung zur Verwaltung eines gemeinsam genutzten Speichers ausserhalb des Bildschirms

Title (fr)

Méthode et dispositif pour gérer une mémoire hors-écran partagée

Publication

EP 0521684 B1 19960605 (EN)

Application

EP 92305994 A 19920629

Priority

US 72630491 A 19910705

Abstract (en)

[origin: EP0521684A2] A method for allowing direct graphics access to backup storage areas in frame buffer memory used for retained windows and controlled by a graphics accelerator which includes the steps of establishing a shared memory file in system memory for the backup storage area indicating that the retained windows area initially exists in excess frame buffer memory, the shared memory file having storage to indicate the use of the shared area by a process; generating a page fault whenever access to the graphics accelerator is attempted and the state of another process is stored on the graphics accelerator; and calling a device driver in response to the page fault to switch the context stored on the graphics accelerator to that of the process attempting the access.

IPC 1-7

G06F 3/14; G06F 9/46; G09G 5/14

IPC 8 full level

G06F 3/153 (2006.01); **G06F 3/048** (2013.01); **G06F 3/14** (2006.01); **G06F 9/46** (2006.01); **G06F 12/08** (2006.01); **G09G 5/14** (2006.01)

CPC (source: EP KR US)

G06F 9/52 (2013.01 - EP US); **G06F 12/08** (2013.01 - EP US); **G06T 1/60** (2013.01 - KR); **G09G 5/14** (2013.01 - EP US)

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DE FR GB IT NL

DOCDB simple family (publication)

EP 0521684 A2 19930107; **EP 0521684 A3 19930428**; **EP 0521684 B1 19960605**; DE 69211231 D1 19960711; DE 69211231 T2 19961010; JP 3645276 B2 20050511; JP H05216614 A 19930827; KR 100278327 B1 20010201; KR 930002950 A 19930223; US 5245702 A 19930914

DOCDB simple family (application)

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